From:
 Udd, Jeff (MPCA)

 To:
 Margaret Watkins

Cc: Lotthammer, Shannon (MPCA); Clark, Richard (MPCA)

Subject: RE: request reasonable potential evaluation for PolyMet draft NPDES permit

**Date:** Monday, March 12, 2018 2:31:23 PM

Margaret,

Thanks for your patience. Below is the relevant information in response to your question regarding the reasonable potential analysis.

The MPCA used a qualitative, rather than quantitative, approach to evaluate reasonable potential. The analysis was included in the NPDES/SDS fact sheet on pages 31-38.

Information that MPCA considered in its evaluation can be found in the "Waste Water Treatment System: Design and Operation Report" (v2, Oct 2017), which can be found on the MPCA's PolyMet Water Quality webpage:

- Model outputs are presented in Attachment H for the Tailings Basin Seepage Treatment Train and in Attachment K for the Mine Water Treatment Train.
- Attachments A and C provide a summary of the procedures used to evaluate the available information and establish the wastewater flows and loads used in the design modeling for the TB Seepage and Mine Water respectively.
- The pilot testing sample data are in tables at the end of Attachment B of the WWTS Design and Operation Report.
- The GoldSim model results that feed into the WWTS design modeling completed for the NPDES/SDS permit application can be found in the "Water Modeling Data Package – Plant Site" and "Water Modeling Data Package – Mine Site" which are available as part of DNR's EIS record. (Due to file size – 122MB and 177MB respectively – and their availability from the EIS, these two documents were not placed on MPCA's webpage.)

Hopefully this information helps in your evaluation of the permit and its conditions.

Thanks, Jeff

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From: Margaret Watkins [mailto:mwatkins@grandportage.com]

Sent: Friday, March 09, 2018 10:34 AM

**To:** Lotthammer, Shannon (MPCA) <shannon.lotthammer@state.mn.us>; Udd, Jeff (MPCA)

<jeff.udd@state.mn.us>

**Subject:** request reasonable potential evaluation for PolyMet draft NPDES permit

Good morning Jeff and Shannon:

Could you please email me a copy of the MPCA reasonable potential to exceed analysis done in support of the draft PolyMet NPDES permit.

Thank you.

Sincerely,

Margaret Watkins